

~~P. Delaney~~ F.M. 06211

1654

#312  
DATE: 03/11/1999  
TIME: 14:44:41

PAGE: 1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/209,799A

Input Set: I209799A.RAW

This Raw Listing contains the General Information  
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Hermeling, Ronald N.  
2 Hoffmann, James A.  
3 Narasimhan, Chakravarthy  
4 <120> TITLE OF INVENTION: GLUCAGON-LIKE PEPTIDE-1 CRYSTALS  
5 <130> FILE REFERENCE: X-10242  
6 <140> CURRENT APPLICATION NUMBER: US/09/209,799A  
7 <141> CURRENT FILING DATE: 1998-12-11  
8 <150> EARLIER APPLICATION NUMBER: US 60/069728  
9 <151> EARLIER FILING DATE: 1997-12-16  
10 <160> NUMBER OF SEQ ID NOS: 4  
11 <170> SOFTWARE: PatentIn Ver. 2.0  
12 <210> SEQ ID NO 1  
13 <211> LENGTH: 31  
14 <212> TYPE: PRT  
15 <213> ORGANISM: Homo sapiens  
16 <400> SEQUENCE: 1  
17 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
18 1 5 10 15  
19 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Gly  
20 20 25 30  
21 <210> SEQ ID NO 2  
22 <211> LENGTH: 29  
23 <212> TYPE: PRT  
24 <213> ORGANISM: Artificial Sequence  
25 <220> FEATURE:  
26 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetically  
27 mutated human sequence  
28 <220> FEATURE:  
29 <223> OTHER INFORMATION: Xaa at position 13 is Glu, Gln, Ala, Thr, Ser or  
30 Gly; Xaa at position 19 is Glu, Gln, Ala, Thr,  
31 Ser or Gly; and Xaa at position 29 is Gly or  
32 absent.  
33 <400> SEQUENCE: 2  
34 Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Xaa Gly Gln Ala  
35 1 5 10 15  
36 Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa  
37 20 25  
38 <210> SEQ ID NO 3  
39 <211> LENGTH: 29  
40 <212> TYPE: PRT  
41 <213> ORGANISM: Artificial Sequence  
42 <220> FEATURE:  
43 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetically  
44 mutated human sequence.

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**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/209,799A**

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TIME: 14:44:41

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45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: Xaa at position 28 is Lys or absent; Xaa at  
 47 position 29 is Gly or absent; and, if Xaa at  
 48 position 28 is absent, Xaa at position 29 must be  
 49 absent.  
 50 <400> SEQUENCE: 3  
 51 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly  
 52 1 5 10 15  
 53 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Xaa Xaa  
 54 20 25  
 55 <210> SEQ ID NO 4  
 56 <211> LENGTH: 30  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Artificial Sequence  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetically  
 61 mutated human sequence  
 62 <220> FEATURE:  
 63 <223> OTHER INFORMATION: Xaa at position 19 is Lys or Arg; Xaa at position  
 64 30 is Gly or is absent; and Lys at position 27 may  
 65 be acylated.  
 66 <400> SEQUENCE: 4  
 67 Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly Gln  
 68 1 5 10 15  
 69 Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Xaa  
 70 20 25 30

VERIFICATION SUMMARY  
PATENT APPLICATION US/09/209,799ADATE: 03/11/1999  
TIME: 14:44:41

Input Set: I209799A.RAW

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34	W "N" or "Xaa" used: Feature required	Glu Gly Thr Phe Thr Ser Asp Val Ser Ser T
36	W "N" or "Xaa" used: Feature required	Ala Lys Xaa Phe Ile Ala Trp Leu Val Lys G
53	W "N" or "Xaa" used: Feature required	Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu V
69	W "N" or "Xaa" used: Feature required	Ala Ala Xaa Glu Phe Ile Ala Trp Leu Val L